

## ABSTRACT

A polymer consisting mainly of structural units represented by the general formula (1), wherein the total molar amount of terminal aldehyde groups and acetal groups is 0.6 mol% or smaller based on the total molar amount of the structural units represented by the general formula (1).  $[-(-CHR_1-)_n-CX_1R_2-CX_2R_3-]$  (1) (In the formula, n is an integer of 2 to 10;  $X_1$  and  $X_2$  each represents -H, -OH, or a functional group capable of being converted into -OH, provided that at least one of  $X_1$  and  $X_2$  is hydroxy or a functional group capable of being converted into hydroxy; and  $R_1$ ,  $R_2$ , and  $R_3$  each represents -H or  $C_{1-5}$  alkyl, aryl, aralkyl, or heteroaryl and the two or more  $R_1$ 's may be different.)